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LandView™ III: A Tool for Community Brownfields Projects

Outreach and Special Projects Staff (5101)   Quick Reference Fact Sheet

EPA's Brownfields Economic Redevelopment Initiative is designed to empower states, communities, and other stakeholders in economic redevelopment to work together in a timely manner to prevent, assess, safely clean up, and sustainably reuse brownfields. A brownfield is a site, or portion thereof, that has actual or perceived contamination and an active potential for redevelopment or reuse. EPA's Brownfields Initiative strategies include funding pilot programs and other research efforts, clarifying liability issues, entering into partnerships, conducting outreach activities, developing job training programs, and addressing environmental justice concerns.

OVERVIEW

LandView™ III, a computer mapping system developed by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Commerce, can provide important brownfields information. Brownfields project managers, stakeholders, community activists, and the general public can use a variety of useful information and tools within LandView III to enhance brownfields projects. Statistics and graphic representations of environmental, geographic, and demographic information provide important insights into selection of targeted brownfields properties and community outreach activities. Brownfields project managers can use LandView III to display a variety of demographic and economic information from the 1990 Census, for geographic areas as small as a census block group. Brownfields project managers can use the information contained in LandView III to identify and characterize potential brownfields properties in their cities, counties, or states based on information provided from EPA data. Once the area of interest is defined, LandView III can provide relevant demographic and economic information, enabling users to develop appropriate communications strategies for community outreach efforts.

IDENTIFYING POTENTIAL BROWNFIELDS PROPERTIES WITH LANDVIEW III

Brownfields project managers will find LandView III to be a useful tool, from developing a potential brownfields inventory to categorizing existing environmental information. The system presents data from the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Information System (CERCLIS), permitting project coordinators to create an inventory of potentially contaminated properties. All archived properties formerly in CERCLIS [listed as "Superfund-No Longer of Concern" in LandView III, also known as "No Further Remedial Action Planned" (NFRAP) sites] are highlighted in LandView III. These include properties where, following initial investigation, no contamination was found, contamination was removed quickly without the site needing to be placed on the National Priorities List (NPL), or the contamination was not serious enough to warrant Federal action. LandView III also includes information from CERCLIS for sites on the NPL and non-NPL sites. Drawing information from the Aerometric Information Retrieval System (AIRS), LandView III can then pinpoint the locations of air monitoring and point source emissions facilities and relate them to identified properties and surrounding neighborhoods. LandView III can also be used to identify Resource Conservation and Recovery Act (RCRA)-regulated properties within the specified area through data extracted from the Biennial Reporting System (BRS). Similarly, a coordinator can identify National Pollutant Discharge Elimination System (NPDES) facilities. Information on Toxic Release Inventory (TRI) facilities is also available. Through this process, the coordinator is able to generate a tentative list of

potential brownfields areas or properties, as well as information on existing facilities that may impact the environmental and economic feasibility of beneficial reuse options. In addition, the 1990 Census database within LandView III can provide population characteristics such as demographics, housing counts, household income estimates, labor force participation, and educational attainment for the defined area.
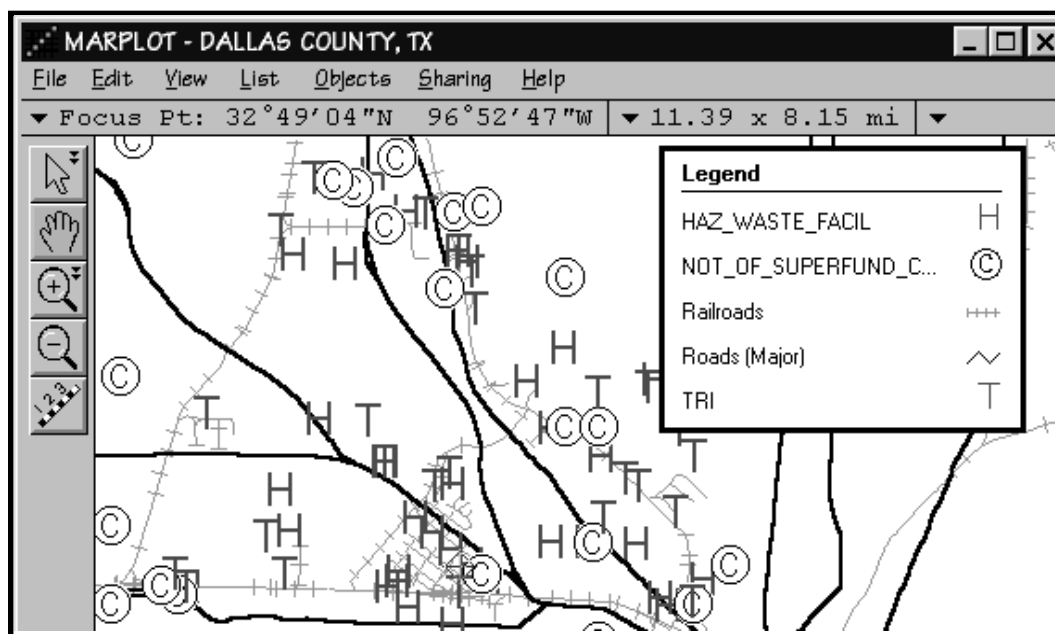
THE NEXT STEP—BROWNFIELDS CHARACTERIZATION

Once a particular property or area has been selected for brownfields assessment, cleanup, and redevelopment, LandView III becomes a powerful characterization tool. Local communities can create their own custom-made map of a particular brownfields area, whether the targeted area is as small as a street corner or as large as a state. Information from the LandView III databases can then be graphically portrayed on this map. Having the ability to layer different types of information on one map (e.g., income, point source discharge, rivers/lakes, and NPL sites) assists the Coordinator in assessing the probable impact of a single source of environmental contamination, such as an NPL site,

as well as identifying potential cumulative environmental effects from multiple sources. In addition, LandView III can import information from other databases to incorporate more current local information into decision-making processes.

LANDVIEW III CAN ASSIST IN COMMUNITY OUTREACH EFFORTS

Finally, LandView III can be an indispensable tool for community outreach efforts. The program data for demographics, housing counts, household income estimates, labor force participation, and educational attainment is important for targeting information packets and educational efforts to the community members likely to have an interest in brownfields redevelopment. Furthermore, LandView III is useful in presenting complicated environmental information and Census data in a manner that empowers interested community members to participate in brownfields decision-making in a substantive manner. Most importantly, the software and data are accessible to every brownfields stakeholder. LandView III can be downloaded for free from the Internet so that the stakeholder may continue to learn and conduct an analysis of environmental, geographic, and economic trends in their neighborhoods.

LandView™ III Map of Dallas, Texas with CERCLIS Archived ("No Longer of Concern") sites, hazardous waste facilities, and TRI facilities indicated.

ORIGIN OF BROWNFIELDS DATA

Boundary information for EPA's Brownfields Assessment Demonstration Pilots is available on the LandView III U.S. Summary CD-ROM (CD 11). This is a preliminary set of information (current as of July 1997) showing Pilot boundaries for 115 Brownfields Assessment Demonstration Pilots. Since fiscal year 1995, EPA has announced Brownfields Assessment Demonstration Pilot funding for 157 states, cities, towns, counties, and tribes (current as of May 6, 1998). The purpose of these Pilots is to bring together community groups, investors, lenders, developers, and other affected parties to address the issues of cleaning up properties contaminated with hazardous substances and returning them to appropriate, productive use.

FOR ADDITIONAL INFORMATION

For customer service and technical support related to LandView III please call the U.S. Census Bureau at (301) 457-1128. Up-to-date information, fact sheets, and current links to LandView III support is available on EPA's Brownfields LandView web site at:

http://www.epa.gov/brownfields/lvinfo.htm

For additional information on EPA's Brownfields Economic Redevelopment Initiative contact the RCRA/Superfund Hotline at (800) 424-9346, or visit the EPA Brownfields web site at:

http://www.epa.gov/brownfields/

LandView™ III Census information from Danbury, Connecticut, including demographics, per capita income, and educational levels.

ACCESSING LANDVIEW III

LandView III is available free for one county at a time from the "Right-to-Know" Network (RTKnet) on the World Wide Web at:

http://www.RTK.NET/landview/

For larger geographic areas, including multiple counties, the U.S. Census Bureau sells the application on CD-ROM; each CD-ROM covers 1/10 of the U.S. For those interested in creating thematic maps or performing radius calculations that extend over a number of states, a U.S. Summary CD-ROM is also available (the national CD-ROM does not contain local road information except for Delaware, the District of Columbia, and Prince William County, MD). Ordering information is available by calling (301) 457-4100, or on the World Wide Web at:

**http://www.census.gov/mp/
www/rom/msrom12h.html**

Additional information related to LandView III is available from the Census Bureau on the Internet (**http://www.census.gov/ftp/pub/geo/www/tiger/**), including:

• LandView III Product Description
• Technical Documentation and Tutorial
• Download software and sample data (for a county of choice)
• Ordering information for LandView III
• LandView III Frequently Asked Questions (FAQ)

REQUIREMENTS TO RUN LANDVIEW III

Whether run from CD-ROM or downloaded from the Internet, the *minimum* configuration required to run LandView III is:
PC with a 486-class processor, or Macintosh with a 68020 processor
8MB of RAM
10MB of free hard disk space
VGA color display
2X CD-ROM drive
Windows 3.1 (for PC), System 7.0 (for 68K Mac), System 7.1.2 (for Power Mac)

To *maximize* performance, the recommended configuration is:
PC with 586 or Pentium-class processor, or Macintosh with PowerPC processor
16 MB RAM
SVGA color display
4X CD-ROM drive
Windows 95 or Windows NT (for PC), System 7.1.2 or higher (for Macintosh)

For general questions/problems when using LandView III, please refer to the U.S. Census Bureau's "LandView III Technical Documentation and Tutorial" page located at:

**http://www.census.gov/ftp/pub/geo/
www/tiger/lv3tech.html**

NOTES ON INSTALLING
LANDVIEW III

To install the free LandView III mapping program for a single county, the following files must be downloaded into an otherwise empty folder (e.g., LV3) from RTK NET at:
http://www.RTK.NET/landview/

The files are compressed and self-extracting. (To decompress them, either go to "My Computer," find their icons in the correct folder and click on them, or type their name in the Windows "Run" box.)

• LVPROGRM.EXE   LandView III program
• LVxxxxxD.EXE   Environmental and other data for county of choice
• LVxxxxxM.EXE   Modified TIGER maps (MARPLOT files for county of choice)

Important Note: LandView III was originally designated to be run from CD-ROM, and part of the program tries to read from the CD-ROM at startup. If your computer has a CD-ROM drive, you will get a fatal error unless you have a CD-ROM disk in your drive. It can be any CD; the contents of the disk do not matter.